

Title (en)
EXHAUST FUMES REDUCTION DEVICE FOR INTERNAL COMBUSTION ENGINE

Title (de)
ABGASREDUZIERUNGSVORRICHTUNG FÜR BRENNKRAFTMASCHINE

Title (fr)
DISPOSITIF DE RÉDUCTION DE FUMÉES D'ÉCHAPPEMENT POUR MOTEUR À COMBUSTION INTERNE

Publication
EP 3904653 B1 20230809 (EN)

Application
EP 21170588 A 20210427

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Abstract (en)
[origin: EP3904653A1] The present invention relates to an exhaust fumes reduction device for an internal combustion engine. More particularly, the present invention relates to reducing the generation of exhaust fumes and improving output and fuel efficiency by smoothing the discharge flow of exhaust gas in a state additionally mounted at the end of an exhaust line of an internal combustion engine used for ships, vehicles, and various industrial machines, there is provided the exhaust fumes reduction device for internal combustion engine mounted at the end of an exhaust port of the internal combustion engine to smooth the discharge flow of exhaust gas comprising; a housing pipe 10 connected to the end of the exhaust pipe 2 to discharge exhaust gas; a vortex pipe 20 mounted inside the housing pipe to increase the speed of the exhaust gas introduced into the housing pipe and to discharge the exhaust gas spirally; and an external pipe 30 mounted on the outside of the housing pipe and in communication with the housing pipe to allow the outside air to flow in and to assist the smooth discharge of exhaust gas discharged to the housing pipe.

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